BRUHATH BANGALORE MAHANAGARA PALIKE
EXECUTIVE ENGINEER
BYATARAYANAPURA DIVISION

MODIFIED ESTIMATE

Name of Work: Construction of Drain from Gangamma Temple Road to Chikkasiddappa Layout Amruthahalli in Ward No.07 Byatarayanapura.

Estimate Cost:- 30.00Lakhs
Tender Cost:-Rs.2276388.26

Name of Agency: Sri. N. Venkatareddy

BRUHATH BANGALORE MAHANAGARA PALIKE
EXECUTIVE ENGINEER, BYATARAYANAPURA DIVISION

Name of Work: Construction of Drain from Gangamma Temple Road to Chikkasiddappa Layout Amruthahalli in Ward No.07 Byatarayanapura.

MODIFIED ESTIMATE

Sl No	Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
				L in m	B in m	D in m			
1	KSRRB 300-1. Earthwork excavation by manual means for roads, drains & similar works in ordinary soil excavated surface levelled and sides neatly dressed, the disposed earth to be levelled neatly after breaking of clods complete as per specifications. MORTH / Chapter 3								
		Cum							
	Strom Water Drain								
			1	0.00	2.40	2.60	0.00		
			1	15.00	2.40	2.45	88.20		
			1	15.00	2.40	2.50	90.00		
			1	15.00	2.40	2.55	91.80		
			1	15.00	2.40	2.60	93.60		
			1	15.00	2.40	2.50	90.00		
			1	15.00	2.40	2.50	90.00		
			1	4.50	2.40	2.60	28.08		
	Over burden Earth								
			1	30.00	2.00	1.00	60.00		
			1	25.00	1.80	1.00	45.00		
						Total Executed Quantity	**676.68**		
						Schedule B Quantity	**107.90**		
						Quantity Upto 125%	**134.88**	**252.49**	**34054.59**
						Quantity Above 125%	**541.81**	**214.77**	**116363.29**
	Rate Analysis								
	(KPWD SR 2018-19, Page No.143, Item No-19.1)								
	Basic Rate	130.00							
	Loading & unloading with 20km Lead= (2x1.28x20)+57	108.20							
	Area Weightage @6%	14.29							
	Total Amount	**252.49**							
	T.P -14.94%	-37.72							
	Total Amount	**214.77**							
2	KSRB 2.8 : Providing and Filling in foundation with granite / trap broken metal 100mm. and down size & with approved sand including hand packing, ramming, watering, including cost of all materials and labour with all lead and lift. complete as per specifications. specification. No. KBS 2.10.2								
		Cum							
	Strom Water Drain								
			1	0.00	2.40	0.45	0.00		
			1	15.00	2.40	0.45	16.20		
			1	15.00	2.40	0.45	16.20		
			1	15.00	2.40	0.45	16.20		
			1	15.00	2.40	0.45	16.20		
			1	15.00	2.40	0.45	16.20		
			1	15.00	2.40	0.45	16.20		
			1	4.50	2.40	0.45	4.86		
						Total Quantity	**102.06**		
						Schedule B Quantity	**74.70**		
						Quantity Upto 125%	**93.38**	**2574.74**	**240416.35**
						Quantity Above 125%	**8.69**	**2190.07**	**19020.79**
	Rate Analysis								
	(KPWD SR 2016-17, Page No.7, Item No-2.15)								
	Basic Rate	2429.00							

No	Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
				L in m	B in m	D in m			
	Area Weightage @6%	145.74							
	Total Amount	**2574.74**							
	T.P -14.94%	-384.67							
	Total Amount	**2190.07**							
3	KSRB 4-1.3 : Providing and laying in position plain cement concrete of Mix 1:4:8 with OPC @ 180kgs, with 40mm and down size graded granite metal coarse aggregates @0.85cum and fine aggregates @ 0.57cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation, including cost of all materials, labour, HOM curing complete as per specifications. Specification No. KBS 4.1, 4.2								
		Cum							
	Strom Water Drain								
			1	0.00	2.40	0.15	0.00		
			1	15.00	2.40	0.15	5.40		
			1	15.00	2.40	0.15	5.40		
			1	15.00	2.40	0.15	5.40		
			1	15.00	2.40	0.15	5.40		
			1	15.00	2.40	0.15	5.40		
			1	15.00	2.40	0.15	5.40		
			1	4.50	2.40	0.15	1.62		
						Total Quantity	**34.02**		
						Schedule B Quantity	**24.90**		
						Quantity Upto 125%	**31.13**	**5408.12**	**168327.74**
						Quantity Above 125%	**2.90**	**4600.15**	**13317.43**
	Rate Analysis								
	(KPWD SR 2018-19, Page No.13, Item No-4.3)								
	Basic Rate	5102.00							
	Area Weightage @6%	306.12							
	Total Amount	**5408.12**							
	T.P -14.94%	-807.97							
	Total Amount	**4600.15**							
4	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
		Sqm							
	Raft								
	Strom Water Drain								
			1	0.00		0.30	0.00		
			1	15.00		0.30	4.50		
			1	15.00		0.30	4.50		
			1	15.00		0.30	4.50		
			1	15.00		0.30	4.50		
			1	15.00		0.30	4.50		
			1	15.00		0.30	4.50		
			1	4.50		0.30	1.35		
						Total Quantity	**28.35**		
						Schedule B Quantity	**99.60**		
						Quantity Upto 125%	**28.35**	**273.48**	**7753.16**
5	KSRB 4-6.4 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for vertical surface such as walls at any thickness, including attached pilasters, buttresses, plinth cills and string courses cost of all materials, labour complete as per specifications. Specification No. KBS 4.6.2								
		Sqm							
	Wall								
	Strom Water Drain								
			4	0.00		1.70	0.00		

Sl No	Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
				L in m	B in m	D in m			
			4	15.00		1.55	93.00		
			4	15.00		1.60	96.00		
			4	15.00		1.65	99.00		
			4	15.00		1.70	102.00		
			4	15.00		1.60	96.00		
			4	15.00		1.60	96.00		
			4	4.50		1.70	30.60		
						Total Quantity	**612.60**		
						Schedule B Quantity	**498.00**		
						Quantity Upto 125%	**612.60**	**379.48**	**232469.45**
6	KSRB 4-6.3 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for flat surface such as suspended floors, roofs, landings, balconies and likes, thickness above 200 mm including cost of all materials, labour complete as per Specification. Specification No. KBS 4.6.2								
		Sqm							
						Total Quantity	**0.00**		
						Schedule B Quantity	**99.60**		
						Quantity Upto 125%	**0.00**	**466.40**	**0.00**
7	Providing and laying cement concrete using 20 mm and down size granite coarse aggregates and fine aggregates of ready mixed concrete (RMC) M20 for R.C.C works laid in 15 cms thick layers and well compacted by vibrating, curing, for foundations & sub-structure works with all lead and lifts etc., complete (exclusive of cost of steel and fabrication charges.)								
		Cum							
	Raft								
	Strom Water Drain								
			1	0.00	2.10	0.30	0.00		
			1	15.00	2.10	0.30	9.45		
			1	15.00	2.10	0.30	9.45		
			1	15.00	2.10	0.30	9.45		
			1	15.00	2.10	0.30	9.45		
			1	15.00	2.10	0.30	9.45		
			1	15.00	2.10	0.30	9.45		
			1	4.50	2.10	0.30	2.84		
	Wall								
	Strom Water Drain								
			2	0.00	0.20	1.70	0.00		
			2	15.00	0.20	1.55	9.30		
			2	15.00	0.20	1.60	9.60		
			2	15.00	0.20	1.65	9.90		
			2	15.00	0.20	1.70	10.20		
			2	15.00	0.20	1.60	9.60		
			2	15.00	0.20	1.60	9.60		
			2	4.50	0.20	1.70	3.06		
						Total Quantity	**120.80**		
						Schedule B Quantity	**169.32**		
						Quantity Upto 125%	**120.80**	**4589.00**	**554328.26**

Sl No	Description of work	Unit	Nos	Dimenstions in m			Quantity	Rate in Rs.	Amount in Rs.
				L in m	B in m	D in m			
5	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM complete as per specifications. Specification No. KBS 4.6.3 TMT bars Fe 550								
		Tonne							
		1	120.80				14.50		
							Total Quantity	14.50	
							Schedule B Quantity	14.39	
							Quantity Upto 125%	14.50	61325.00	888930.41
								Construction Total Amount	2274981.00
								Miscellaneous and unforeseen charges etc.L.S	1407.26
								Grand Total	2276388.26

Assistant Engineer
Ward No.07
BBMP

Assistant Executive Engineer
Kodigehalli Sub Division
BBMP

Executive Engineer
Byatarayanapura Division
BBMP
25/09

Technical Sanction
Accorded For .....
Head of A/C 3405.....
CER NO :....19..... Dt:25.09.2019

TA

CE (YNK)